IN THE CLAIMS

Claims 1 – 19 are pending in this application with claims 1, 2, 12-14, 16, 17 and 19 being amended by this response.

Please amend the claims as follows:

1. (Currently Amended) A system for providing a user interface display image supporting user entry of an expression, comprising:

a user interface menu generator for providing a displayable image including,

a first image window listing a ~~plurality~~ set of ~~selectable~~ data items <u>associated with a corresponding expression and excluding data items unassociated with said corresponding expression</u> individually selectable from a plurality of different types of predetermined data items available for incorporation in an expression used for calculating a result value, <u>said plurality of different types of predetermined data items comprises predetermined data items and associated predetermined allowable values for a corresponding predetermined data item,</u>

an image prompt element for permitting user entry of said expression and for incorporating a data item in an entered expression from said listed data items to provide a resultant expression in response to user selection of said data item in said first image window, and

an icon for initiating storing of said resultant expression; and

an expression processor for processing said resultant expression to provide a result in response to user command.

2. (Currently Amended) A system according to claim 1, wherein

~~said plurality of different types of predetermined data items comprise predetermined data items and associated predetermined allowable values for a corresponding predetermined data item and~~

said data item is incorporated in said expression together with an operator comprising at least one of, (a) a logical operator and (b) an algebraic operator to provide said resultant expression, <u>and</u>

said expression processor provides pre-expression execution syntax checking to validate an expression.

3. (Previously Presented) A system according to claim 1, wherein

said plurality of different types of predetermined data items comprise at least one of, (a) a patient identifier, (b) a medical condition identifier, (c) a patient address and (d) patient medical record information.

4. (Previously Presented) A system according to claim 1, wherein

said predetermined data items are individually selectable by selection of displayed elements in a hierarchical tree structure, said displayed elements representing predetermined data items.

5. (Previously Presented) A system according to claim 1, wherein

said expression processor verifies an entered expression is valid and generates an indication as said result identifying said entered expression is invalid and

said expression processor initiates generation of a displayed notification to a user indicating said entered expression is invalid.

6. (Previously Presented) A system according to claim 1, wherein

said displayable image includes an icon for initiating verification an entered expression is valid and

said verification includes a syntax check of said entered calculable expression.

7. (Previously Presented) A system according to claim 1, wherein

said expression processor resolves said resultant expression to provide a result comprising a financial reimbursement sum determined per health care policy terms, said resultant financial reimbursement sum expression associated with said set of data items in said first image window.

8. (Previously Presented) A system according to claim 1, wherein

said plurality of different types of predetermined data items include miscellaneous values comprising predetermined specific words.

9. (Previously Presented) A system according to claim 1, wherein

said displayable image includes an image prompt element supporting user entry of a name for identifying a resultant expression and

said user interface menu generator provides an image window permitting user selection of a template calculable expression from a plurality of predetermined template expressions.

10. (Previously Presented) A system according to claim 1, wherein

said user interface menu generator provides an image window permitting user selection of a template calculable expression from a plurality of predetermined template calculable expressions and

said image prompt element incorporates a selected template calculable expression in response to user selection of said selected template calculable expression.

11. (Previously Presented) A system according to claim 1, wherein

said first image window lists a plurality of selectable data items in a hierarchical tree type structure and

said plurality of selectable data items are associated with user accessible data item descriptions.

12. (Currently Amended) A system according to claim 1, wherein

said icon for initiating storing of said resultant expression initiates allocation of a version number identifier to said resultant expression.

13. (Currently Amended) A system for providing a user interface display image supporting user entry of an expression, comprising:

a user interface menu generator for providing a displayable image including,

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a first image window listing a ~~plurality~~ <u>set</u> of ~~selectable~~ data items <u>associated with a corresponding expression and excluding data items unassociated with said corresponding expression individually selectable from a plurality of different types of predetermined data items</u> available for incorporation in an expression used for calculating a result value, <u>said plurality of different types of predetermined data items comprise predetermined data items and associated predetermined allowable values for a corresponding predetermined data item,</u>

an image prompt element permitting user entry of said expression and for incorporating a data item in said expression from said listed data items to provide a resultant expression used for calculating a result value in response to user selection of said data item in said first image window, and

an icon for initiating storing of said resultant expression; and

an expression processor for resolving said resultant expression to provide a result in response to user command, wherein

said icon for initiating storing of said resultant expression initiates allocation of a version <u>number</u> identifier to said resultant expression and

said expression processor uses said version <u>number</u> identifier in processing a latest version of said resultant expression to provide said calculated result value.

14. (Currently Amended) A system for providing a user interface display image supporting user entry of an expression for use in deriving information associated with a patient, comprising:

a user interface menu generator for providing a displayable image including,

a first image window listing a ~~plurality~~ <u>set</u> of ~~selectable~~ data items <u>associated with a corresponding expression and excluding data items unassociated with said corresponding expression</u> individually selectable from a plurality of different types of predetermined data items available for incorporation in an expression, said plurality of different types of predetermined data items comprise predetermined data items and associated predetermined allowable values for a corresponding predetermined data item,

an image prompt element permitting user entry of said expression and for incorporating a data item in said expression from said listed data items to provide a resultant expression in response to user selection of said data item in said first image window, and

an icon for initiating storing of said resultant expression; and

an expression processor for <u>providing pre-expression execution syntax checking to validate an expression and</u> resolving said resultant expression to provide a result in response to user command.

15. (Previously Presented) A system according to claim 14, wherein

said expression comprises a calculable expression, and

said expression processor processes said resultant expression to provide a calculated result value in response to said user command.

16. (Currently Amended) A system for providing a user interface display image supporting user entry of an expression for use in deriving information associated with a patient, comprising:

a user interface menu generator for providing a displayable image including,

a first image window listing a ~~plurality~~ <u>set</u> of ~~selectable~~ data items <u>associated with a corresponding expression and excluding data items unassociated with said corresponding expression</u> individually selectable from a plurality of different types of predetermined data items available for incorporation in an expression, said plurality of different types of predetermined data items comprise predetermined data items and associated predetermined allowable values for a corresponding predetermined data item,

an image prompt element permitting user entry of said expression and for incorporating a data item in said expression from said listed data items to provide a resultant expression in response to user selection of said data item in said first image window, and

an icon for initiating storing of said resultant expression; and

an expression processor for <u>providing pre-expression execution syntax checking to validate an expression and</u> resolving said resultant expression to provide a result in response to user command, wherein

said plurality of different types of predetermined data items identify at least one of, (a) a patient, (b) a patient physical characteristic, (c) patient address information and (d) patient medical record information and

said user interface menu generator provides an image window indicating said associated predetermined allowable values for a corresponding predetermined data item comprise at least one of, (i) an acceptable parameter and (ii) an acceptable value, associated with a data item selected by a user via said first image window.

17. (Currently Amended) A system for providing a user interface display image supporting user entry of an expression, comprising:

a user interface menu generator for providing a displayable image including,

a first image window listing a ~~plurality~~ <u>set</u> of ~~selectable~~ data items <u>associated with a corresponding expression and excluding data items unassociated with said corresponding expression</u> individually selectable from a plurality of different types of predetermined data items available for incorporation in an expression used for calculating a result value,

an image prompt element permitting user entry of said expression and for incorporating a data item together with an operator in said entered expression form said listed data items to provide a resultant expression used for calculating a result value in response to user selection of said data item in said first image window, and

an icon for initiating storing of said resultant expression; and

an expression processor for <u>providing pre-expression execution syntax checking to validate an expression and</u> resolving said resultant expression to provide a result in response to user command.

18. (Previously Presented) A system according to claim 17, wherein

said expression processor processes said resultant expression to determine said resultant expression is valid and wherein

said system for providing a user interface display image comprises machine executable code stored on a tangible storage medium.

19. (Currently Amended) A method for providing a user interface display image supporting user entry of an expression, comprising the activities of:

initiating display of an image including,

a first image window listing a ~~plurality~~ set of ~~selectable~~ data items associated with a corresponding expression and excluding data items unassociated with said corresponding expression individually selectable from a plurality of different types of predetermined data items available for incorporation in an expression used for calculating a result value, said plurality of different types of predetermined data items comprise predetermined data items and associated predetermined allowable values for a corresponding predetermined data item.

an image prompt element permitting user entry of said expression and for incorporating a data item in said entered expression from said listed data items to provide a resultant expression used for calculating a result value in response to user selection of said data item in said first image window, and

an icon for initiating verification of said resultant expression to determine said resultant expression is valid, and

an icon for initiating storing of said resultant expression; and

verifying said resultant expression is valid in response to user selection of said con for initiating verification.